

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 69

Form C122-A
 Revised 1-1-66

POOL NAME Basin	POOL SLOPE n = .75	FORMATION Dakota	COUNTY San Juan
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COMPANY PAN AMERICAN PETROLEUM CORPORATION			WELL NAME AND NUMBER W. H. Riddle No. 3		
UNIT LETTER M	SECTION 24	TOWNSHIP 30	RANGE 10	PURCHASING PIPELINE El Paso Natural Gas Co.	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 7554	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 7336
GAS PAY ZONE FROM 7285 TO 7402		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .627	GRAVITY X LENGTH 4600
DATE OF FLOW TEST FROM 12-8-69 TO 12-16-69			DATE SHUT-IN PRESSURE MEASURED 10-1-69		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 400	(b) Flowing Tubing Pressure (DWt) 400	(c) Flowing Meter Pressure (DWt) 2110	(d) Flow Chart Static Reading 2103	(e) Meter Error (Item c - Item d) 2110	(f) Friction Loss (a - c) or (b - c) 1055	(g) Average Meter Pressure (Integr.) 400
(h) Corrected Meter Pressure (g + e) 400	(i) Avg. Wellhead Press. $P_t = (h + f)$ 400	(j) Shut-in Casing Pressure (DWt) 2110	(k) Shut-in Tubing Pressure (DWt) 2103	(l) P_c = higher value of (j) or (k) 2110	(m) Del. Pressure $P_d = \frac{50}{1055} P_c$ 1055	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 857	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.000	Corrected Volume Q = 857 MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-s})$ 0.000	$(F_c Q_m)^2 (1000)$ 0.000	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ Friction Loss Negligible	P_t^2 0.000	$P_w^2 = P_t^2 + R^2$ 0.000	$P_w = \sqrt{P_w^2}$ 0.000
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DELIVERABILITY CALCULATION

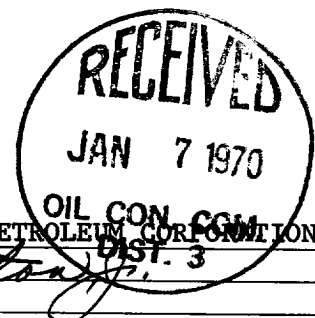
$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 857	$\left[\frac{3,339,075}{4,292,100} \right]^n =$.7780	$\left[\frac{.7780}{.8284} \right]^n =$.8284	$D =$ 710 MCF/D
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REMARKS:

SUMMARY

Item h 400 Psia
 P_c 2110 Psia
 Q 857 MCF/D
 P_w 400 Psia
 P_d 1055 Psia
 D 710 MCF/D

Company PAN AMERICAN PETROLEUM CORPORATION
 By [Signature]
 Title Area Engineer
 Witnessed By _____
 Company _____



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